BUMPER WITH INTEGRALLY FORMED ENERGY ABSORBER

ABSTRACT

A bumper system comprising a metal tubular beam, an energy absorber and mounts. The metal tubular beam has a center section having front, rear, top, and bottom walls. The energy absorber includes a rail having a rear surface with a rearwardly-facing C-shaped recess mateably receiving the tubular beam therein, with the energy absorber being configured to crush and absorb impact energy prior to collapse of the tubular beam. The mounts engage a rear of the metal tubular beam.